

PTO-1449 REPRODUCED  INFORMATION DISCLOSURE CITATION IN AN APPLICATION  July 26, 2004  (Use several sheets if necessary)	ATTORNEY DOCKET NO. 1733.1003-012	APPLICATION NO. 10/797,718	
	FIRST NAMED INVENTOR Howard Bernstein		FILING DATE March 10, 2004
	EXAMINER <i>Monshipoun</i> Not Assigned	CONFIRMATION NO. 4117	GROUP <del>1615</del> 1656

U.S. PATENT DOCUMENTS				
EXAM- INER INI- TIAL	REF. NO.	DOCUMENT NUMBER Number-Kind Code (if known)	ISSUE DATE / PUBLICATION DATE MM-DD-YYYY	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT
<i>R.R.</i>	AA	4,675,189	06/23/87	Kent, J.S. <i>et al.</i>
	AB	4,962,091	10/09/90	Eppstein, D.A. <i>et al.</i>
	AC	3,523,906	08/11/70	Vrancken, M.N. <i>et al.</i>
	AD	3,691,090	09/12/72	Kitajima, M. <i>et al.</i>
	AE	3,737,337	06/05/73	Schnoring, H. <i>et al.</i>
	AF	3,887,699	06/03/75	Yolles, S.
	AG	4,389,330	06/21/83	Tice, T.R. <i>et al.</i>
	AH	4,530,840	07/23/85	Tice, T.R. <i>et al.</i>
	AI	4,542,025	09/17/85	Tice, T.R. <i>et al.</i>
	AJ	4,835,139	05/30/89	Tice, T.R. <i>et al.</i>
	AK	4,891,225	01/02/90	Langer, R.S. <i>et al.</i>
	AA2	3,891,570	06/24/75	Fukushima, M. <i>et al.</i>
	AB2	4,391,797	07/05/83	Folkman, M.J. <i>et al.</i>
	AC2	5,176,907	01/05/93	Leong, K.W.
	AD2	5,122,367	06/16/92	Ron, E. <i>et al.</i>
	AE2	5,145,674	09/08/92	Lane, G.A. <i>et al.</i>
	AF2	4,711,782	12/08/87	Okada, H. <i>et al.</i>
	AG2	5,126,147	06/30/92	Silvestri, L.J. <i>et al.</i>
	AH2	5,192,741	03/09/93	Orsolini, P. <i>et al.</i>
	AI2	4,732,889	03/22/88	Cynshi, O. <i>et al.</i>
	AJ2	4,879,272	11/07/89	Shimoda, N. <i>et al.</i>
	AK2	4,992,419	02/12/91	Woog, H. <i>et al.</i>
	AA3	4,853,218	08/01/89	Yim, Z. <i>et al.</i>
	AB3	4,235,236	11/25/80	Theeuwes, F.
	AC3	4,906,474	03/06/90	Langer, R.S. <i>et al.</i>
<i>R.R.</i>	AD3	5,019,400	5/28/91	Gombotz, W.R. <i>et al.</i>

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R.N.	AE3	4,981,696	1/1/91	Loomis, G.L. <i>et al.</i>
	AF3	4,637,905	1/20/87	Gardner, D.L.
	AG3	4,897,268	1/30/90	Tice, T.R. <i>et al.</i>
	AH3	4,767,628	8/30/88	Hutchinson, F.G.
	AI3	3,928,566	12/23/75	Briggs, A.R. <i>et al.</i>
	AJ3	4,166,800	9/4/79	Fong, J.W.
	AK3	4,530,901	7/13/85	Weissmann, C.
	AA4	4,871,538	10/02/89	Yim, Z. <i>et al.</i>
	AB4	B1 4,985,404	04/21/92	Mitchell, J.W.
	AC4	4,655,777	04/07/87	Dunn, R.L., <i>et al.</i>
	AD4	5,075,115	12/24/91	Brine, C.J.
	AE4	5,344,654	09/06/94	Rueger, D.C., <i>et al.</i>
	AF4	4,237,114	12/02/80	Cardarelli, N.F.
	AG4	4,806,524	02/21/89	Kawaguchi, T., <i>et al.</i>
	AH4	4,252,791	02/24/81	Grossberg, S.E., <i>et al.</i>
	AI4	5,441,734	08/15/95	Reichert, P., <i>et al.</i>
	AJ4	5,413,797	05/09/95	Khan, M.A., <i>et al.</i>
	AK4	5,656,297	08/12/97	Bernstein, <i>et al.</i>
R.N.	AA5	5,912,015	06/15/99	Bernstein, <i>et al.</i>

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FOREIGN PATENT DOCUMENTS					
		DOCUMENT NUMBER Country Code-Number-Kind Code (if known)	DATE MM-DD-YYYY	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT	TRANSLATION YES NO
	AL	WO91/12882	05/09/91	Medgenix Group S.A.	
	AM	WO96/07399A1	14/03/96	Takeda Chemical Industries, LTD	
	AN	WO93/07861	29/04/93	Board of Regents, The University of Texan System	
	AO	WO93/25221	23/12/93	Alkermes Controlled Therapeutics, Inc.	
	AP	WO90/09166	23/08/90	Biosearch, Inc.	
	AQ	WO90/13780	15/11/90	Enzytech, Inc.	
	AL2	WO92/11844	23/7/92	Enzytech, Inc.	
	AM2	WO95/29664 A1	09/11/95	Alkermes Controlled Therapeutics, Inc.	
	AN2	WO94/12158	09/06/94	Alkermes Controlled Therapeutics, Inc.	
	AO2	0633 020 A1	11/01/95	Takeda Chemical Industries, Inc.	
	AP2	WO93/17668	16/09/93	Alkermes Controlled Therapeutics, Inc.	
	AQ2	WO94/07469	04/14/94	Dynagen, Inc.	
	AL3	0580 428 A1	01/26/94	Takeda Chemical Industries, Inc.	
	AM3	0537559 A1	21/04/93	Atrix Laboratories, Inc.	
	AN3	0266119 A3	04/05/88	Souther Research Institute & The UAB Research Foundation	
	AO3	0330180 A1	30/08/89	Biomaterials Universe, Inc.	
	AP3	WO89/03678	05/05/89	Stolle Research & Development Corporation	
	AQ3	WO90/13285	15/11/90	Enzytech, Inc.	
	AL4	0 595 030 A2	05/09/91	Tanabe Seiyaku, Co., LTD.	
	AM4	WO93/02712	18/02/93	Danbiosyst UK Limited	
	AN4	WO95/11010	27/04/95	Genetech, Inc.	
	AO4	WO94/19373 A1	01/09/94	Schering Corporation	

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
AR	Pratt, L., <i>et al.</i> , "The Effect of Ionic Electrolytes on Hydrolytic Degradation of Biodegradable Polymers: Mechanical and Thermodynamic Properties and Molecular Modeling," <i>J. Polymer Science</i> 31(7):1759-1769 (1993).	
AS	Costantino, H. R., <i>et al.</i> , "Solid-Phase Aggregation of Proteins under Pharmaceutically Relevant Conditions," <i>J. of Pharmaceutical Sciences</i> , 83(12):1662-1669 (1994).	
AT	Costantino, H. R., <i>et al.</i> , "Moisture-Induced Aggregation of Lyophilized Insulin," <i>Pharmaceutical Research</i> , 11(1):21-29 (1994).	
AU	<del>Costantino, H. R., <i>et al.</i>, "Aggregation of a Lyophilized Pharmaceutical Protein, Recombinant Human Albumin: Effect of Moisture and Stabilization by Excipients," <i>Biotechnology</i>, 13:493-496 (1995).</del>	
AV	Creighton, T.E., "Physical Forces That Determine the Properties of Proteins," <i>In Proteins, Structures and Molecular Principles</i> , (NY: W.H. Freeman and Company), pp. 149-150, 1991.	
AW	<del>Cunningham, B. C., <i>et al.</i>, "Dimerization of Human Growth Hormone by Zinc," <i>Science</i>, 253:545-548 (August 1991).</del>	
AX	Sato, Toyomi, <i>et al.</i> , "Porous Biodegradable Microspheres for Controlled Drug Delivery. I. Assessment of Processing Conditions and Solvent Removal Techniques," <i>Pharmaceutical Research</i> , 5(1):21-29 (1988).	
AY	Langer, R., "New Methods of Drug Delivery," <i>Science</i> , 249:1527-1533 (September 1990).	
AZ	Liu, W. R., <i>et al.</i> , "Moisture-Induced Aggregation of Lyophilized Proteins in the Solid State," <i>Biotechnology and Bioengineering</i> , 37:177-184 (1991).	
AR2	Lu, W., and Park, T. G., "Protein Release from Poly(lactic-co-glycolic acid) Microspheres: Protein Stability Problems," <i>PDA J. of Pharmaceutical Science &amp; Technology</i> , 49(1):13-19 (Jan-Feb 1995).	
AS2	Cohen, S., <i>et al.</i> , "Controlled Delivery Systems for Proteins Based on Poly(Lactic/Glycolic Acid) Microspheres," <i>Pharmaceutical Research</i> , 8(6):713-720 (1991).	
AT2	Hora, M.S. <i>et al.</i> , "Release of Human Serum Albumin from Poly(lactide-co-glycolide) Microspheres," <i>Pharmaceutical Research</i> , 7(11):1190-1194 (1990).	

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R.R.	AU2	Hageman, M.J., <i>et al.</i> , "Preformulation Studies Oriented Toward Sustained Delivery of Recombinant Somatotropins," <i>J. Agric. Food Chem.</i> , 40:348-355 (1992).
R.R.	AV2	Cleland, J. L., <i>et al.</i> , "Characterization of Recombinant Human Growth Hormone-PLGA Formulations in Animals," <i>Proceed. Intern. Symp. Control. Rel. Bioact. Mater.</i> , 22:143-144 (1995).
1	AW2	<del>Cleland, J. L., <i>et al.</i>, "One Month Continuous Release Recombinant Human Growth Hormone-PLGA Formulations," <i>Proceed. Intern. Symp. Control. Rel. Bioact. Mater.</i>, 22:149-150 (1995).</del>
1	AX2	<del>Mullerad, I., <i>et al.</i>, "Delivery of IL-1 Microspheres to Tumor Macrophages," <i>Proceed. Intern. Symp. Control. Rel. Bioact. Mater.</i>, 22:512-513 (1995).</del>
R.R.	AY2	Cleland, J. L., <i>et al.</i> , "In Vitro Release of Bioactive Recombinant Human Interferon- $\gamma$ From PLGA Microspheres," <i>Proceed. Intern. Symp. Control. Rel. Bioact. Mater.</i> , 22:518-519 (1995).
R.R.	AZ2	Park, T. G., <i>et al.</i> , "Importance of In Vitro Experimental Conditions on Protein Release Kinetics, Stability and Polymer Degradation in Protein Encapsulated Poly(D,L-Lactic Acid-Co-Glycolic Acid) Microspheres," <i>J. of Controlled Release</i> , 33:211-222 (1995).
R.R.	AR3	Nagata, S., <i>et al.</i> , "Synthesis in <i>E. Coli</i> of a Polypeptide with Human Leukocyte Interferon Activity," <i>Nature</i> , 284:316-320 (March 1980).
1	AS3	<del>Rubinstein, M., "The Structure of Human Interferons," <i>Biochimica et Biophysica Acta</i>, 695:5-16 (1982).</del>
R.R.	AT3	Sah, H., <i>et al.</i> , "The Influence of Biodegradable Microcapsule Formulations on the Controlled Release of a Protein," <i>J. of Controlled Release</i> 30:201-211 (1994).

EXAMINER R. Rooshki	DATE CONSIDERED 10/23/07
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